

## PATENT COOPERATION TREA. /

## PCT

## INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference <b>47082-149WO</b>	<b>FOR FURTHER ACTION</b> see Form PCT/ISA/220 as well as, where applicable, item 5 below.	
International application No. <b>PCT/US2004/035286</b>	International filing date (day/month/year) <b>22/10/2004</b>	(Earliest) Priority Date (day/month/year) <b>24/10/2003</b>
Applicant <b>BAYER HEALTHCARE LLC</b>		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 6 sheets.

It is also accompanied by a copy of each prior art document cited in this report.

## 1. Basis of the report

a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b.  With regard to any nucleotide and/or amino acid sequence disclosed in the international application, see Box No. I.

2.  Certain claims were found unsearchable (See Box II).

3.  Unity of invention is lacking (see Box III).

## 4. With regard to the title,

the text is approved as submitted by the applicant.

the text has been established by this Authority to read as follows:

## 5. With regard to the abstract,

the text is approved as submitted by the applicant.

the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

## 6. With regards to the drawings,

a. the figure of the drawings to be published with the abstract is Figure No. 1

as suggested by the applicant.

as selected by this Authority, because the applicant failed to suggest a figure.

as selected by this Authority, because this figure better characterizes the invention.

b.  none of the figures is to be published with the abstract.

**INTERNATIONAL SEARCH REPORT**

International application No.

PCT/US2004/035286

**Box No. IV Text of the abstract (Continuation of item 5 of the first sheet)**

An electrochemical sensor strip has a base (10) and a first electrode (20) and a second electrode (30) on the base. An oxidoreductase enzyme and a mediator are on the first electrode, and a soluble redox species is on the second electrode. The soluble redox species may be an organotransition metal complex, a transition metal coordination complex, an electroactive organic molecule, or mixtures thereof.

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**A. CLASSIFICATION OF SUBJECT MATTER**  
 IPC 7 C12Q1/00 C12Q1/26 G01N33/487 G01N27/403

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C12Q G01N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, BIOSIS, COMPENDEX

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 287 451 B1 (YOUNG CHUNG CHANG ET AL) 11 September 2001 (2001-09-11)	1-3, 6-12, 16-26, 29-57, 59-63
Y	column 4, line 35 - line 40  column 5, line 1 - line 8 column 10, line 41 - line 53 ----- -/-	4,5, 13-15, 27,28,58

 Further documents are listed in the continuation of box C. Patent family members are listed in annex.

## \* Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*&\* document member of the same patent family

Date of the actual completion of the international search

Date of mailing of the international search report

13 January 2005

21/01/2005

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International Application No

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2001/006149 A1 (IKEDA SHIN ET AL) 5 July 2001 (2001-07-05)  paragraphs '0007!, '0008!, '0010!, '0012!, '1325!, '0026!, '0034! - '0036!, '0041!, '0042!	1-3, 5, 13, 16-18, 20-23, 26, 28, 31-33, 39-49, 53-60
X	EP 0 909 952 A (MATSUSHITA ELECTRIC IND CO LTD) 21 April 1999 (1999-04-21)  paragraphs '0016!, '0019!, '0021!, '0026!, '0029!, '0032!, '0038!, '0039!, '0046!, '0048!, '0050!	1-3, 5, 13, 16-18, 20-23, 26, 28, 31-33, 39-49, 53-60
Y	MORRIS N A ET AL: "AN ELECTROCHEMICAL CAPILLARY FILL DEVICE FOR THE ANALYSIS OF GLUCOSE INCORPORATING GLUCOSE OXIDASE AND RUTHENIUM (III) HEXAMINE AS MEDIATOR" ELECTROANALYSIS, VHC PUBLISHERS, INC, US, vol. 4, no. 1, 1992, pages 1-9, XP002065769 ISSN: 1040-0397 the whole document	4, 28, 58
Y	VIDAL J C ET AL: "A chronoamperometric sensor for hydrogen peroxide based on electron transfer between immobilized horseradish peroxidase on a glassy carbon electrode and a diffusing ferrocene mediator" SENSORS AND ACTUATORS B, ELSEVIER SEQUOIA S.A., LAUSANNE, CH, vol. 21, no. 2, August 1994 (1994-08), pages 135-141, XP004012315 ISSN: 0925-4005 page 136, column 1	5, 13
		-/-

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	RAZUMIENE J ET AL: "Improvement of screen-printed carbon electrodes by modification with ferrocene derivative" SENSORS AND ACTUATORS B, ELSEVIER SEQUOIA S.A., LAUSANNE, CH, vol. 95, no. 1-3, 15 October 2003 (2003-10-15), pages 378-383, XP004454696 ISSN: 0925-4005 the whole document	5,13
Y	US 5 520 786 A (BLOCZYNSKI MICHAEL L ET AL) 28 May 1996 (1996-05-28) cited in the application abstract	14,15,27
A	US 5 695 947 A (LAU SHEK-HONG ET AL) 9 December 1997 (1997-12-09) the whole document	1-63

## INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

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Patent document cited in search report	Publication date		Patent family member(s)	Publication date
US 6287451	B1	11-09-2001	AT 273511 T AU 5321200 A CA 2375092 A1 DE 1212609 T1 DE 60012946 D1 DE 60012946 T2 EP 1212609 A2 ES 2177474 T1 JP 2003501627 T WO 0073785 A2	15-08-2004 18-12-2000 07-12-2000 28-11-2002 16-09-2004 05-01-2005 12-06-2002 16-12-2002 14-01-2003 07-12-2000
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US 5695947	A	09-12-1997	NONE	